

Amendments to and Listing of the Claims:

Please amend claims 23, 24 and 26, without prejudice, as set forth in the following listing of the claims.

1. to 22. (Canceled)

23. (Currently Amended) ~~A~~An isolated gene comprising a DNA having a nucleotide sequence encoding an amino acid sequence selected from the group consisting of:

(a) SEQ ID NO: 1;

(b) an amino acid sequence having a sequence homology of ~~80%-90%~~90% or more with SEQ ID NO: 1, and the sequence is a sequence of a protein having at least an ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;

~~(c) an amino acid sequence having the sequence homology of 90% or more with SEQ ID NO: 1, and the amino acid sequence is an amino acid sequence of a protein having at least an ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;~~

~~(d)~~(c) an amino acid sequence encoded by a DNA having SEQ ID NO: 2;

~~(e)~~(d) an amino acid sequence encoded by a DNA having a nucleotide sequence having a homology of ~~80%-90%~~90% or more with a DNA having SEQ ID NO: 2, and the amino acid sequence is an amino acid sequence of a protein having at least an ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;

~~(f)~~(e) an amino acid sequence encoded by a DNA that hybridizes under ~~the~~ stringent conditions with a DNA having a nucleotide sequence that is complementary to SEQ ID NO: 2, the stringent conditions comprising one of (i) conducting the hybridization in a solution containing 50% formamide under a high ion concentration of 6 x SSC at 45°C, and then washing under a low ion concentration of 2 x SSC at 50°C, and (ii) conducting the hybridization in a solution containing 50% formamide under a high ion concentration of 6 x SSC at 65°C, and then washing under a low ion concentration of 0.1 x SSC at 65°C, and the amino acid sequence is an amino acid sequence of a protein having at least an ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;

~~(g)~~(f) an amino acid sequence having a sequence homology of 90% or more with SEQ ID NO: 1, and the sequence is a sequence of a protein obtained from a microorganism belonging to genus Leifsonia, and the amino acid sequence is an amino acid sequence of a

protein having at least an ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol; and

~~(h)~~(g) an amino acid sequence having a sequence homology of 90% or more with SEQ ID NO: 1, and the sequence is a sequence of a protein obtained from Leifsonia sp. S-749, and the amino acid sequence is an amino acid sequence of a protein having at least an ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol.

24. (Currently Amended) The isolated gene according to claim 23 further comprising a linked promoter.

25. (Previously Presented) A recombinant vector comprising the gene according to claim 23.

26. (Currently Amended) A transformant obtained by introducing the gene according to claim 24 or a recombinant vector that comprises a gene comprising a DNA encoding an amino acid sequence selected from the group consisting of:

(a) SEQ ID NO: 1;

(b) an amino acid sequence having a sequence homology of ~~80%~~90% or more with SEQ ID NO: 1, and the sequence is a sequence of a protein having at least an ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;

~~(c) an amino acid sequence having a homology of 90% or more with SEQ ID NO: 1, and the sequence is a sequence of a protein having at least an ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;~~

~~(d)~~(c) an amino acid sequence encoded by SEQ ID NO: 2;

~~(e)~~(d) an amino acid sequence encoded by a DNA having a nucleotide sequence a homology of ~~80%~~90% or more with a DNA having SEQ ID NO: 2, and the sequence is an amino acid sequence of a protein having at least an ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;

~~(f)~~(e) an amino acid sequence encoded by a DNA that hybridizes under ~~the stringent condition~~conditions with a DNA having a nucleotide sequence that is complementary to SEQ ID NO: 2, the stringent conditions comprising one of (i) conducting the hybridization in a solution containing 50% formamide under a high ion concentration of 6 x SSC at 45°C, and then washing under a low ion concentration of 2 x SSC at 50°C, and (ii) conducting the hybridization in a solution containing 50% formamide under a high ion concentration of 6 x SSC

at 65°C, and then washing under a low ion concentration of 0.1 x SSC at 65°C, and the sequence
is a sequence of a protein having at least an ability to reduce 2,2,2-trifluoroacetophenone to
2,2,2-trifluoro-1-phenylethanol;

(g)-(f) an amino acid sequence having a sequence homology of 90% or more with
SEQ ID NO: 1, and the sequence is a sequence of a protein obtained from a microorganism
belonging to genus Leifsonia, and the sequence is a sequence of a protein having at least an
ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol; and

(h)-(g) an amino acid sequence having a sequence homology of 90% or more with
SEQ ID NO: 1, and the sequence is a sequence of a protein obtained from Leifsonia sp. S-749,
and the sequence is a sequence of a protein having at least an ability to reduce 2,2,2-
trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol.

27. (Previously Presented) The transformant according to claim 26, wherein the host
cell is a microorganism.

28. (Previously Presented) The transformant according to claim 26, wherein the host
cell is E. coli.

29. (Previously Presented) A transformant having the gene according to claim 23.

30. (Previously Presented) A method for producing a transformant, wherein the
method comprises introducing the recombinant vector according to claim 25 into a host cell.

31. to 44. (Canceled)